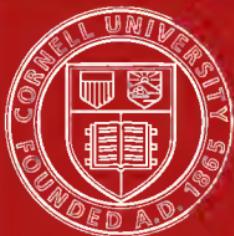


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THE GIFT OF

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7583

The  
Musketeer,  
FOR

Troops doing Duty with the Percussion Musket,  
with or without Priming Attachment.

AS

INFANTRY AND LIGHT INFANTRY.



STATE OF

NEW YORK

Adjutant General's Office.

ALBANY.

WEED, PARSONS AND COMPANY, PRINTERS

1858.



# THIS BOOK

IS THE PROPERTY OF

THE PEOPLE OF THE STATE OF NEW-YORK.

*[To be turned over to successors in office, by the Officer possessing the same, in accordance with the following extracts from the General Regulations.]*

## SUCCESSION IN COMMAND.

PAR. 21. An officer who succeeds to any command or duty stands in regard to his duties in the same situation as his predecessor. The officer relieved shall turn over to his successor all orders in force at the time, pertaining to his command or duty. Officers who are promoted, or intend to remove from their command, or have leave of absence, shall also deliver all public property and funds in their hands to their respective successors, and shall take a receipt therefor.

PAR. 22. An officer rendered supernumerary, or who shall have resigned, shall turn over to his successor in command all the public property in his possession, and all other property pertaining to his command, for which he may be responsible to the state, including books, blanks and documents; and the successor shall give him duplicate receipts for the same, which receipts shall specify the condition of the property. One of these receipts shall be transmitted to the Adjutant-General, to insure a correct accountability, the other retained by the officer relieved, for his own security.



STATE OF NEW-YORK, }  
ADJUTANT-GENERAL'S OFFICE. }

ALBANY, *April 16th, 1858.*

The following "Manual of Arms" is extracted from the "General Regulations," for the more convenient use of that portion of the Military Forces of the State to which it pertains, and is a correct extract from such Regulations.

FRED'K TOWNSEND,

*Adjutant-General N. Y. S. M.*



# T H E M A N U A L   O F   A R M S .

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## INSTRUCTION TO THE INFANTRY FOR ARMS WITH PERCUSSION CAPS.

*A Supplement to the Manual of Arms—Infantry Tactics.*

1557. Percussion caps will be carried in a pouch, attached to the waist-belt, by loops, in a manner to admit of its being moved upon the belt.

1558. Whenever, in the *Manual of Arms*, or in *Scott's Tactics*, the words "little finger touching the feather spring" occur, the words "little finger just above the lock" should be substituted. The terms "handle" and "small of the stock" mean the same thing.

1559. LOAD IN TEN TIMES (being at *Shoulder Arms*).

### 1. *Load.*

#### ONE TIME AND TWO MOTIONS.

*First motion.*—Drop the piece by a quick extension of the left arm; seize it, with the right hand, above and near the lower band; and, at the same time, carry the right foot forward, the heel against the hollow of the left foot.

*Second motion.*—Drop the piece with the right hand along the left thigh; seize it, with the left hand above the right, and with the left hand let it descend to the ground without shock, the piece touching the left thigh, and the muzzle opposite the centre of the body; carry the right hand quickly to the cartridge-box and open it.

2. *Handle*—CARTRIDGE.

ONE TIME AND ONE MOTION

Seize a cartridge with the thumb and the next two fingers, and place it between the teeth.

3. *Tear*—CARTRIDGE.

ONE TIME AND ONE MOTION.

Tear the paper down to the powder, hold the cartridge upright between the thumb and two next fingers, near the top; in this position place it in front of and near the muzzle, the back of the hand to the front.

4. *Charge*—CARTRIDGE.

ONE TIME AND ONE MOTION.

Fix the eye on the muzzle; turn quickly the back of the right hand towards the body, in order to discharge the powder into the barrel; raise the elbow to the height of the wrist, shake the cartridge, force it into the muzzle, and leave the hand reversed, the fingers closed, but not clenched.

5. *Draw*—RAMMER.

ONE TIME AND THREE MOTIONS.

*First motion.*—Drop, quickly, the right elbow, and seize the rammer between the thumb and fore-finger bent, the other fingers shut; draw it smartly; extending the arm, seize the rammer again at the middle, between the thumb and fore-finger, the hand reversed, the palm to the front, the nails up, the eyes following the movement of the hand; clear the rammer from the pipes by again extending the arm.

*Second motion.*—Turn, rapidly, the rammer between the bayonet and the face, closing the fingers, the rammers of the rear rank grazing the right shoulders of the men of the same file in front, respectively, the rammer parallel to the bayonet, the arm extended, the butt of the rammer opposite to the muzzle, but not yet inserted, the eyes fixed on the muzzle.

*Third motion.*—Insert the butt of the rammer and force it down as low as the hand.

6. *Ram* — CARTRIDGE.

## ONE TIME AND ONE MOTION.

Extend the arm to its full length to seize the rammer between the right thumb extended and the fore-finger bent, the other fingers closed; with force ram home twice, and seize the rammer at the little end, between the thumb and fore-finger bent, the other fingers closed, the right elbow touching the body.\*

7. *Return* — RAMMER.

## ONE TIME AND THREE MOTIONS.

*First motion.*—Draw, briskly, the rammer; reseize it at the middle between the thumb and fore-finger, the hand reversed, the palm to the front, the nails up, the eyes following the movement of the hand; clear the rammer from the barrel by extending the arm.

*Second motion.*—Turn, rapidly, the rammer between the bayonet and the face, closing the fingers, the rammers of the rear rank grazing the right shoulders of the men in the same file in front, respectively, the rammer parallel to the bayonet, the arm extended, the little end of the rammer opposite to the first pipe, but not yet inserted, the eyes fixed on that pipe.

*Third motion.*—Insert the little end, and with the thumb, which will follow the movement, force it as low as the middle band; raise quickly the hand, a little bent, place the little finger on the butt of the rammer and force it down; lower the left hand on the barrel, to the extent of the arm, without depressing the shoulder.

8. *Cast* — ABOUT.†

## ONE TIME AND TWO MOTIONS.

*First motion.*—With the left hand bring up the piece vertically against the left shoulder, seize it smartly with the right hand at the handle, and slide the left hand down as low as the chin.

\* If the *Minie* ball be used, the ramming will be done gently, sufficiently to send the ball home.

† If the *priming attachment* is used, the command will be *load in eight times*; the commands *cast about* and *prime* are omitted, and the eighth command will be *shoulder arms*, and will be executed in the same manner as from the position of *fix bayonet*.

*Second motion.*—Make a half face to the right on the left heel, bring the left toe to the front, place at the same time the right foot behind and at right angles with the left, the hollow of the right foot against the left heel; carry the piece opposite to the right shoulder; bring down the piece with the right hand into the left, which will seize it at the tail band, the thumb extended on the stock, the butt under the right fore-arm, the handle against the body, and about two inches under the right breast, the muzzle at the height of the eye, the left elbow supported against the side, the right hand grasping the handle.

#### 9. *Prime.\**

##### ONE TIME AND ONE MOTION.

Place the thumb of the right hand on the hammer (the fingers remaining under and against the guard), and half-cock the piece; brush off the old cap, and with the thumb and first two fingers of the right hand take a cap from the pouch, place it firmly on the cone by pushing it down with the thumb, and seize the piece at the handle.

#### 10. *Shoulder—Arms.*

##### ONE TIME AND TWO MOTIONS.

*First motion.*—Face to the front by turning on the left heel; bring up the right by the side of the left heel; at the same time bring the piece briskly with the right hand to the left shoulder, and place the left hand under the butt.

*Second motion.*—Let fall smartly the right hand into its position at *Shoulder Arms*.

#### 1560. READY (from the position of *Shoulder Arms*).

##### ONE TIME AND FOUR MOTIONS.

*First motion.*—Turn the piece with the left hand, the lock to the front; seize it at the handle, with the right hand, and turn the left toe

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\* If the *priming attachment* is used, the command will be *load in eight times*; the commands *cast about* and *prime* are omitted, and the eighth command will be *shoulder arms*, and will be executed in the same manner as from the position of *fix bayonet*.

a little to the front; at the same time place the hollow of the right foot against the heel of the left.

*Second motion.*—Bring the piece, with the right hand, to the middle of the body; place the left hand, the little finger just above the lock, the thumb extended on the stock at the height of the chin, the counter-plate (or S) almost turned toward the body, the rammer obliquely to the left and front.

*Third motion.*—Place the thumb on the head of the hammer, the fingers under and on the guard, the elbow at the height of the hand.

*Fourth motion.*—Close the right elbow smartly to the body in cocking; seize the piece at the handle, let it descend along the body in the left hand to the tail band, which will remain at the height of the shoulder.

#### 1561. READY (from the position of *Prime*).\*

##### ONE TIME AND ONE MOTION.

Place the thumb of the right hand on the hammer (the fingers remaining under and against the guard), cock the piece and seize the handle with the right hand.

##### *Aim.*

##### ONE TIME AND ONE MOTION.

Raise the butt to the shoulder; drop, smartly, the muzzle, the left hand remaining at the tail band; support the butt against the right shoulder, the left elbow a little down; shut the left eye, direct the right along the barrel, drop the head upon the butt to catch the object, and place the fore-finger on the trigger. The rear rank will, at the same time, carry the right foot about eight inches towards the left heel of the man next on the right.

\* If priming attachment is used, READY from position of prime will be omitted, and READY from the position of return rammer substituted, as follows:

*First Motion.*—Raise the piece with the left hand along the left side, the left hand at the height of the eyes, the fore arm touching the piece; seize the piece with the right hand at the small of the stock, at the same time make a half face to the right, turning on the left heel, and place the hollow of the right foot against the heel of the left.

*Second, Third and Fourth Motions.*—Will be the same as the second, third and fourth motions of READY from the position of shoulder arms.

*Fire.*

## ONE TIME AND ONE MOTION.

Apply the fore-finger with force to the trigger, without further lowering or turning the head, and remain in that position.

1562. LOAD (from the position of *Fire.*)

## ONE TIME AND TWO MOTIONS.

*First motion.*—Bring back the piece quickly with both hands, depress the butt strongly by extending the right arm, and carry it, with the arm thus extended, to the left side, the barrel to the front and opposite to the left shoulder, the left hand at the height of the chin, the back of the hand to the front, the left fore-arm touching the stock; at the same time face to the front and carry the right foot forward, the heel against the hollow of the left foot.

*Second motion.*—Let go the handle with the right hand, let the piece descend through the left to the ground, without shock, and take the position of the second motion of *Load*, when loading in *ten times*.

1563 SHOULDER ARMS (from the *Fire*).

## ONE TIME AND TWO MOTIONS.

*First motion.*—Bring back the piece with both hands, face to the front; carry the piece against the left shoulder and place the left hand under the butt.

*Second motion.*—Let fall, smartly, the right hand into its position at *Shoulder Arms*.

1564. After the words *Ready* and *Aim* are given, if it is desired to bring the musket to the shoulder without firing, the order will be as follows :

*Recover—ARMS.*

## ONE TIME AND ONE MOTION.

Withdraw the finger from the trigger, throw up smartly the muzzle, and retake the position of the fourth motion of *Ready*.

1565. *Shoulder—Arms* (from the *Recover*).\*

ONE TIME AND ONE MOTION.

At the word *Shoulder*, bring the piece to the middle of the body, the left thumb at the height of the chin, the little finger just above the lock; next place the right thumb on the head of the hammer, support the fore-finger on the trigger, sustain at the same time the hammer carefully in its descent to the position of half-cock, then seize the handle of the piece with the right hand. At the word *Arms*, carry the piece smartly to the shoulder, and take the position of *Shoulder Arms*.

## LOAD IN FOUR TIMES.†

1566. *Load*.—One. Execute the first time of loading, handle cartridge, tear cartridge, charge cartridge; Two. Draw rammer, enter it as far as the hand, and ram twice; Three. Return rammer, cast about, and prime; Four. Execute the tenth time of loading.

1567. If the soldier be at the *Ready*, from *Shoulder Arms*, the same commands and means will be used, in returning from this position to that of *Shoulder Arms*, as were prescribed in coming to the latter from the *Recover*; but if he be at the *Ready*, from the position of *Prime*, when the command *Shoulder Arms* is given, he will, at the word *Shoulder*, support the piece firmly with the left hand, half-cock, as has been explained, and seize the piece at the handle with the right hand. At the word *Arms*, face to the front and complete the time.

\* If the priming attachment is used, the *priming paper* or *tape* will be torn close off at the orifice from which it appears, and the hammer allowed gently to fall upon the cone.

† If the *priming attachment* is used, the command will be LOAD IN THREE TIMES; one and two will be executed as above provided; three will be, return rammer and shoulder arms, as from the position of *fix bayonet*.

## MANUAL OF ARMS FOR THE LIGHT INFANTRY, WHEN THE LONG BARREL MUSKET OR RIFLE MUSKET IS USED

*Principles of Shouldered Arms.*

1568. The piece in the right hand, the right arm slightly bent, the barrel nearly vertical and resting in the hollow of the shoulder, the guard to the front, the arm hanging nearly at its full length near the body; the thumb and fore-finger embracing the guard, the remaining fingers closed together, and grasping the swell of the stock just under the cock, which rests on the little finger.

1569. Recruits are frequently seen with natural defects in the conformation of the shoulders, breast and hips. These the instructor will labor to correct in the lessons without arms, and afterwards, by steady endeavors, so that the appearance of the pieces, in the same line, may be uniform, and this without constraint to the men in their positions.

1570. The instructor will have occasion to remark that recruits, on first bearing arms, are liable to derange their position by lowering the right shoulder and the right hand, or by sinking the hip and spreading out the elbows.

1571. He will be careful to correct all these faults by continually rectifying the position; he will sometimes take away the piece to replace it the better; he will avoid fatiguing the recruits too much in the beginning, but labor by degrees to render this position so natural and easy that they may remain in it a long time without fatigue.

1572. Finally, the instructor will take great care that the piece, at a shoulder, be not carried too high nor too low: if too high, the right elbow would spread out, the soldier would occupy too much space in his rank, and the piece be made to waver; if too low, the files would be too much closed, the soldier would not have the necessary space to handle his piece with facility, the right arm would become too much fatigued, and would draw down the shoulder.

1573. The manual of arms will be taught to four men, placed, at first, in one rank, elbow to elbow, and afterwards in two ranks.

1574. Each command will be executed in one *time* (or pause), but this time will be divided into motions, the better to make known the mechanism.

1575. The rate (or swiftness) of each motion, in the manual of arms, with the exceptions herein indicated, is fixed at the ninetieth part of a minute; but, in order not to fatigue the attention, the instructor will, at first, look more particularly to the execution of the motions, without requiring a nice observance of the cadence, to which he will bring the recruits progressively, and after they shall have become a little familiarized with the handling of the piece.

1576. As the motions relative to the cartridge, to the rammer, and to the fixing and unfixing of the bayonet, cannot be executed at the rate prescribed, nor even with a uniform swiftness, they will not be subjected to that cadence. The instructor will, however, labor to cause these motions to be executed with promptness, and, above all, with regularity.

1577. The last syllable of the command will decide the brisk execution of the first motion of each time (or pause). The commands *two*, *three* and *four* will decide the brisk execution of the other motions. As soon as the recruits shall well comprehend the positions of the several motions of a time, they will be taught to execute the time without resting on its different motions; the mechanism of the time will nevertheless be observed, as well to give a perfect use of the piece, as to avoid the sinking of, or slurring over, either of the motions.

1578. The manual of arms will be taught in the following progression. The instructor will command:

*Support—ARMS.*

ONE TIME AND THREE MOTIONS.

1579. *First motion.*—Bring the piece, with the right hand, perpendicularly to the front and between the eyes, the barrel to the rear; seize the piece with the left hand at the lower band, raise this hand as high as the chin, and seize the piece at the same time with the right hand, four inches below the cock.

*Second motion.*—Turn the piece with the right hand, the barrel to the front; carry the piece to the left shoulder, and pass the fore-arm, extended on the breast, between the right hand and the cock; support the cock against the left fore-arm, the left hand resting on the right breast.

*Third motion.*—Drop the right hand by the side.

1580. When the instructor may wish to give repose in this position, he will command :

*Rest.*

1581. At this command, the recruits will bring up smartly the right hand to the handle of the piece (small of the stock), when they will not be required to preserve silence or steadiness of position.

1582. When the instructor may wish the recruits to pass from this position to that of silence and steadiness, he will command :

1. *Attention.*

2. *Squad.*

1583. At the second word, the recruits will resume the position of the third motion of *Support Arms*.

*Shoulder—Arms.*

ONE TIME AND THREE MOTIONS.

1584. *First motion.*—Grasp the piece with the right hand under and against the left fore-arm; seize it with the left hand at the lower band, the thumb extended; detach the piece slightly from the shoulder, the left fore-arm along the stock.

*Second motion.*—Carry the piece vertically to the right shoulder with both hands, the rammer to the front; change the position of the right hand so as to embrace the guard with the thumb and fore-finger; slip the left hand to the height of the shoulder, the fingers extended and joined, the right arm nearly straight.

*Third motion.*—Drop the left hand quickly by the side.

*Present—Arms.*

ONE TIME AND TWO MOTIONS.

1585. *First motion.*—With the right hand bring the piece erect before the centre of the body, the rammer to the front; at the same

time seize the piece with the left hand half-way between the lower band and the lock-plate, the little finger touching the plate, the thumb extended along the barrel and against the stock, the fore-arm horizontal and resting against the body, the hand as high as the elbow.

*Second motion.*—Grasp the small of the stock with the right hand below and against the guard.

*Shoulder—Arms.*

ONE TIME AND TWO MOTIONS.

1586. *First motion.*—Bring the piece to the right shoulder, at the same time change the position of the right hand so as to embrace the guard with the thumb and fore-finger; slip up the left hand to the height of the shoulder, the fingers extended and joined, the right arm nearly straight.

*Second motion.*—Drop the left hand quickly by the side.

*Order—Arms.*

ONE TIME AND TWO MOTIONS.

1587. *First motion.*—Seize the piece briskly with the left hand just above the lower band, and detach it slightly from the shoulder with the right hand; loosen the grasp of the right hand, lower the piece with the left, reseize the piece with the right hand above the left hand and between the lower and middle band, the little finger in rear of the barrel, the butt about four inches from the ground, the right hand supported against the hip, drop the left hand by the side.

*Second motion.*—Let the piece slip through the right hand to the ground by opening slightly the fingers, and take the position about to be described.

POSITION OF ORDER ARMS.

1588. The hand low, the barrel between the thumb and fore-finger extended along the stock; the other fingers extended and joined; the muzzle about two inches from the right shoulder; the rammer in front; the toe (or beak) of the butt against and in a line with the toe of the right foot, the barrel perpendicular.

1589. When the instructor may wish to give repose in this position, he will command:

*Rest*

1590. At this command, the recruits will not be required to preserve silence or steadiness.

1591. When the instructor may wish the recruits to pass from this position to that of silence and steadiness, he will command:

1. *Attention.*

SQUAD.

1592. At the second word, the recruits will resume the position of *order arms.*

*Shoulder—Arms.*

ONE TIME AND TWO MOTIONS.

1593. *First motion.*—Raise the piece vertically with the right hand to the height of the right breast, and opposite the shoulder, the elbow close to the body; seize the piece, with the left hand below the right, and drop quickly the right hand to grasp the piece at the swell of the stock, the thumb and fore-finger embracing the guard; press the piece against the shoulder with the left hand, the right arm nearly straight.

*Second motion.* Drop the left hand quickly by the side.

1594. LOAD IN NINE TIMES.

1. *Load.\**

ONE TIME AND TWO MOTIONS.

*First motion.*—Grasp the piece with the left hand, at the height of the shoulder, quit the piece with the right hand and carry it with the left hand across the body, so that the butt shall be to the left of the body and within three inches of the ground; seize the piece, with the right hand above the left.

*Second motion.*—Let the piece slip through the hands to the ground, without shock, so that it shall rest against the left thigh, the barrel to the front, inclining to the right, the rammer obliquely to the left and rear, the muzzle three inches from the centre of the breast; and place the left hand above the right, the thumb upon the rammer pipe, and carry the right hand to the cartridge box.

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\* Whenever the loadings and firings are to be executed, the instructor will cause the cartridge boxes to be brought to the front.

2. *Handle*—CARTRIDGE.

ONE TIME AND ONE MOTION.

1595. Seize the cartridge with the thumb and next two fingers, and place it between the teeth.

3. *Tear*—CARTRIDGE.

ONE TIME AND ONE MOTION.

1596. Tear the paper to the powder, hold the cartridge upright between the thumb and first two fingers, near the top; in this position place it in front of and near the muzzle, the back of the hand to the front.

4. *Charge*—CARTRIDGE.

ONE TIME AND ONE MOTION.

1597. Empty the powder into the barrel; disengage the ball from the paper with the right hand, and the thumb and first two fingers of the left; insert it into the bore, the pointed end uppermost, and press it down with the right thumb; seize the head of the rammer with the thumb and fore-finger of the right hand, the other fingers closed, the elbows near the body.

5. *Draw*—RAMMER.

ONE TIME AND THREE MOTIONS.

1598. *First motion*.—Half draw the rammer by extending the right arm; steady it in this position with the left thumb; grasp the rammer near the muzzle with the right hand, the little finger uppermost, the nails to the front, the thumb extended along the rammer.

*Second motion*.—Clear the rammer from the pipes by again extending the arm; the rammer in the prolongation of the pipes.

*Third motion*.—Turn the rammer, the little end of the rammer passing near the left shoulder; place the head of the rammer on the ball, the back of the hand to the front.

6. *Ram*—CARTRIDGE.

ONE TIME AND ONE MOTION.

1599. Insert the rammer as far as the right hand, and steady it in this position with the thumb of the left hand; seize the rammer at

the small end with the thumb and fore-finger of the right hand, the back of the hand to the front; press the ball home, the elbows near the body.

### 7. *Return—RAMMER.*

#### ONE TIME AND THREE MOTIONS.

1600. *First motion.*—Draw the rammer half way out, and steady it in this position with the left thumb; grasp it near the muzzle with the right hand, the little finger uppermost, the nails to the front, the thumb along the rammer; clear the rammer from the bore by extending the arm, the nails to the front, the rammer in the prolongation of the bore.

*Second motion.*—Turn the rammer, the head of the rammer passing near the left shoulder, and insert it in the pipes until the right hand reaches the muzzle, the nails to the front.

*Third motion.*—Force the rammer home by placing the little finger of the right hand on the head of the rammer; pass the left hand down the barrel to the extent of the arm, without depressing the shoulder.

### 8. *Prime.\**

#### ONE TIME AND TWO MOTIONS.

1601. *First motion.*—With the left hand raise the piece till the hand is as high as the eye; grasp the small of the stock with the right

\* If the priming attachment be used, the command will be, *load in eight times*, and the eighth command will be, *shoulder arms*, and executed from the position of *return rammer*, as follows:

*First motion.*—Raise the piece with the left hand, along the left side, the left hand at the height of the eyes, the fore-arm touching the piece, and seize the piece with the right hand at the small of the stock.

*Second motion.*—Carry the piece vertically across the body, and place it against the right shoulder, the left hand at that shoulder; change the position of the right hand, and seize the swell of the stock, the thumb and fore-finger embracing the guard, the right arm nearly extended.

*Third motion.*—Drop briskly the left hand by the side.

If it be desired to pass from the position of *return rammer* directly to the command *READY*, the eighth command of *shoulder arms* is to be omitted, and the command *READY* will be executed as follows:

hand; half face to the right; place, at the same time, the right foot behind and at right angles with the left; the hollow of the right foot against the left heel. Slip the left hand down to the lower band, the thumb along the stock, the left elbow against the body; bring the piece to the right side, the butt below the right fore-arm, the small of the stock against the body, and two inches below the right breast, the barrel upwards, the muzzle on a level with the eye.

*Second motion.*—Half cock with the thumb of the right hand, the fingers supported against the guard and the small of the stock; remove the old cap with one of the fingers of the right hand, and with the thumb and fore-finger of the same hand take a cap from the pouch, place it on the nipple, and press it down with the thumb; seize the small of the stock with the right hand.

#### 9. *Shoulder—Arms.*

##### ONE TIME AND TWO MOTIONS.

1602. *First motion.*—Bring the piece to the right shoulder and support it there with the left hand, face to the front; bring the right heel to the side of and on a line with the left; grasp the piece with the right hand, as indicated in the position of *shoulder arms*.

*Second motion.*—Drop the left hand quickly by the side.

*Ready.*

##### ONE TIME AND THREE MOTIONS.

1603. *First motion.*—Raise the piece vertically with the right hand, so that the cock shall be at the height of the hip, at the same time making a half face to the right on the left heel; carry the right foot to the rear, and place it at right angles to the left, the hollow of it opposite to and against the left heel; grasp the piece with the left hand at the lower band.

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*First motion.*—Raise the piece, with the left hand, along the left side, the left hand at the height of the eyes, the fore-arm touching the piece; seize the piece with the right hand, at the small of the stock, at the same time make a half pace to the right, turning on the left heel, and place the hollow of the right foot against the heel of the left; at the same time pass the piece across the body, and place it against the right shoulder, the cock at the height of the hip.

*Second and third motions.*—The same as the *second and third motions of READY* from *shoulder arms* (No. 1603).

*Second motion.*—Bring down the piece with both hands, the barrel upwards, the left thumb extended along the stock, the butt below the right fore-arm, the small of the stock against the body and two inches below the right breast, the muzzle as high as the eye, the left elbow against the side; place at the same time the right thumb on the head of the cock, the other fingers under and against the guard.

*Third motion.* Cock, and seize the piece at the small of the stock without deranging the position of the butt.

#### *Aim.*

##### ONE TIME AND ONE MOTION.

1604. Raise the piece with both hands, and support the butt against the right shoulder; the left elbow down, the right as high as the shoulder; incline the head upon the butt, so that the right eye may perceive quickly the notch of the hausse, the front sight, and the object aimed at; the left eye closed, the right thumb extended along the stock, the fore-finger on the trigger.

1605. When recruits are formed in two ranks to execute the firings, the front rank men will raise a little less the right elbow, in order to facilitate the aim of the rear rank men.

1606. The rear rank men, in aiming, will each carry the right foot, about eight inches to the right, and towards the left heel of the man next on the right, inclining the upper part of the body forward.

#### *Fire.*

##### ONE TIME AND ONE MOTION.

1607. Press the fore-finger against the trigger, fire, without lowering or turning the head, and remain in this position.

1608. Instructors will be careful to observe, when the men fire, that they aim at some distinct object, and that the barrel be so directed that the line of fire, and the line of sight be in the same vertical plane. They will often cause the firing to be executed on ground of different inclinations, in order to accustom the men to fire at objects either above or below them.

*Load.*

ONE TIME AND ONE MOTION.

1609. Bring down the piece with both hands; at the same time face to the front and take the position of *load*, as indicated No. 1594. Each rear rank man will bring his right foot by the side of the left.

1610. The men being in this position, the instructor will cause the loading to be continued by the commands and means prescribed No. 1594, and following.

1611. If, after firing, the instructor should not wish the recruits to reload, he will command:

*Shoulder—Arms.*

ONE TIME AND ONE MOTION.

1612. Throw up the piece briskly with the left hand and resume the position of *shoulder arms*; at the same time face to the front, turning on the left heel, and bring the right heel on a line with the left.

1613. To accustom the recruits to wait for the command *fire*, the instructor, when they are in the position of *aim*, will command:

*Recover—Arms.*

ONE TIME AND ONE MOTION.

1614. At the first part of the command, withdraw the finger from the trigger; at the command *arms*, retake the position of the third motion of *ready*.

1615. The recruits being in the position of the third motion of *ready*, if the instructor should wish to bring them to a shoulder, he will command:

*Shoulder—Arms.*

ONE TIME AND ONE MOTION.

1616. At the command *shoulder*, place the thumb upon the cock, the fore-finger on the trigger, half-cock,\* and seize the small of the

\* If the priming attachment is used, tear off the priming tape or paper close to the orifice from whence it appears, and let the hammer gently down upon the cone.

stock with the right hand. At the command *arms*, bring up the piece briskly to the right shoulder, and retake the position of shoulder arms.

1617. The recruits being at shoulder arms, when the instructor shall wish to fix bayonets, he will command:

*Fix—BAYONET.*

ONE TIME AND THREE MOTIONS.

1618. *First motion.*—Grasp the piece, with the left hand, at the height of the shoulder; quit the piece with the right hand, and carry it with the left hand across the body, so that the butt shall be to the left of the body, and within three inches of the ground; seize the piece, with the right hand above the left.

*Second motion.*—Let the piece slip through the hands to the ground without shock, so that it shall rest against the left thigh; the barrel to the front, inclining to the right, the rammer obliquely to the left and rear; the muzzle three inches from the centre of the breast; quit the piece with the left hand, and seize it again with that hand near the muzzle; and carry the right hand to the bayonet, and seize it by the socket and shank, so that the lower (now upper) end of the socket shall extend about an inch above the heel of the palm.

*Third motion.*—Draw the bayonet from the scabbard, and fix it on the extremity of the barrel; seize the piece with the left hand, the arm extended, and place the little finger of the right hand upon the head of the rammer.

*Shoulder—ARMS.*

ONE TIME AND THREE MOTIONS.

1619. *First motion.*—Raise the piece with the left hand till the hand is as high as the eye, the left arm against the piece, and seize the piece with the right hand at the small of the stock.

*Second motion.*—Carry the piece vertically across the body, and place it against the right shoulder; change the position of the right hand and seize the swell of the stock, the thumb and fore-finger embracing the guard, the right arm nearly extended.

*Third motion.*—Drop briskly the left hand by the side.

*Charge—Bayonet.*

## ONE TIME AND TWO MOTIONS.

1620. *First motion.*—Raise the piece slightly with the right hand, and make a half face to the right on the left heel; place the hollow of the right foot opposite to and three inches from the left heel, the feet square; seize the piece at the same time with the left hand, a little above the lower band.

*Second motion.*—Bring down the piece with both hands, the barrel uppermost, the left elbow against the body; seize the small of the stock, at the same time, with the right hand, which will be supported against the hip; the point of the bayonet as high as the eye.

*Shoulder—Arms.*

## ONE TIME AND TWO MOTIONS.

1621. *First motion.*—Throw up the piece briskly with the left hand in facing to the front; place it against the right shoulder, the rammer to the front; turn the right hand so as to embrace the guard, slide the left hand to the height of the shoulder, extend the right arm nearly to its length, letting the piece slip through the left hand.

*Second motion.*—Drop the left hand smartly by the side.

*Trail—Arms.*

## ONE TIME AND TWO MOTIONS.

1622. *First motion.*—Seize the piece briskly with the left hand, near the middle band, and detach it slightly from the shoulder with the right hand; loosen the grasp of the right hand, lower the piece with the left, reseize the piece with the right hand, above the lower band, the little finger in rear of the barrel, the butt about four inches from the ground, the right hand supported against the hip; drop the left hand by the side.

*Second motion.*—Incline the muzzle slightly to the front, the butt to the rear and about four inches from the ground. The right hand, supported at the hip, will so hold the piece that the rear rank men may not touch with their bayonets the men in the front rank.

*Shoulder—Arms.*

1623. At the command *shoulder*, bring the piece perpendicularly in the right hand, the little finger in rear of the barrel; at the com-

mand arms, raise the piece vertically with the right hand to the height of the right breast, and opposite the shoulder, the elbow close to the body; seize the piece, with the left hand below the right, and drop quickly the right hand to grasp the piece at the swell of the stock, the thumb and fore-finger embræing the guard; press the piece against the shoulder with the left hand, the right arm nearly straight, and drop the left hand smartly by the side.

*Unfix—BAYONET.*

ONE TIME AND THREE MOTIONS.

1624. *First and second motions.*—The same as the first and second motions of *fix bayonet*, except that the right hand will be carried to the bayonet, and will seize it at the socket and shank, so that the lower end of the socket may be about an inch below the heel of the palm, and that in wresting off the bayonet the thumb may be extended on the blade. If the bayonet have a elasp, the elasp will be turned before positioning the hand to wrest off the bayonet.

*Third motion.*—Wrest off the bayonet, return it to the scabbard, place immediately the right little finger upon the head of the rammer, lower the left hand along the barrel, in extending the arm, without depressing the shoulder.

*Shoulder—Aams.*

ONE TIME AND THREE MOTIONS.

1625. *First motion.*—The same as the first motion from *fix bayonet* (No. 1619).

*Second motion.*—The same as the second motion from *fix bayonet* (No. 1619).

*Third motion.*—The same as the third motion from *fix bayonet* (No. 1619).

*Secure—Aams.*

ONE TIME AND THREE MOTIONS.

1626. *First motion.*—Bring the piece with the right hand perpendicularly to the front and between the eyes, the barrel to the rear; seize the piece with the left hand at the lower band and raise it as high as the chin, and at the same time with the right hand seize the piece at the small of the stock.

*Second motion.*—Turn the piece with both hands, the barrel to the front; bring it opposite the left shoulder, the butt against the hip, the left hand at the lower band, the thumb as high as the chin and extended on the rammer; the piece erect and detached from the shoulder, the left fore-arm against the piece.

*Third motion.*—Reverse the piece, pass it under the left arm, the left hand remaining at the lower band, the thumb on the rammer to prevent it from sliding out, the little finger resting against the hip, the right hand falling at the same time by the side.

#### *Shoulder—Arms.*

##### ONE TIME AND THREE MOTIONS.

1627. *First motion.*—Raise the piece with the left hand, and seize it with the right hand at the small of the stock; the piece erect and detached from the shoulder, the butt against the hip, the left fore-arm along the piece.

*Second motion.*—Carry the piece vertically to the right shoulder with both hands, the rammer to the front; change the position of the right hand so as to embrace the guard with the thumb and fore-finger, slip the left hand to the height of the shoulder, the fingers extended and joined, the right arm nearly straight.

*Third motion.*—Drop the left hand quickly by the side.

#### *Right shoulder shift—Arms.*

##### ONE TIME AND TWO MOTIONS.

1628. *First motion.*—Detach the piece perpendicularly from the shoulder with the right hand, and seize it with the left, so that the little finger of that hand shall touch the lock plate; raise the piece, the left hand at the height of the shoulder and four inches from it; place, at the same time, the right hand on the butt, the beak between the first two fingers, the other two fingers under the butt plate.

*Second motion.*—Quit the piece with the left hand, raise and place the piece on the right shoulder with the right hand, the lock plate upwards; let fall, at the same time, the left hand by the side.

#### *Shoulder—Arms.*

##### ONE TIME AND TWO MOTIONS.

1629. *First motion.*—Raise the piece perpendicularly by extending the right arm to its full length, the rammer to the front; at the same

time seize the piece with the left hand, so that the little finger of that hand shall touch the lock plate.

*Second motion.*—Quit the butt with the right hand, which will immediately embrace the guard; lower the piece to the position of shoulder arms, slide up the left hand to the height of the shoulder, the fingers extended and closed. Drop the left hand by the side.

1630. The men being at support arms, the instructor will sometimes cause pieces to be brought to the right shoulder. To this effect, he will command:

*Right shoulder shift—ARMS.*

ONE TIME AND TWO MOTIONS.

1631. *First motion.*—Seize the piece with the right hand, below and near the left fore-arm; place the left hand under the butt, the heel of the butt between the first two fingers.

*Second motion.*—Turn the piece with the left hand, the lock plate upwards; carry it to the right shoulder, the left hand still holding the butt, the muzzle elevated; hold the piece in this position and place the right hand upon the butt, as is prescribed No 1628, and let fall the left hand by the side.

*Support—ARMS.*

ONE TIME AND TWO MOTIONS.

1632. *First motion.*—The same as the first motion of shoulder arms, No. 1629.

*Second motion.*—Turn the piece with both hands, the barrel to the front, carry it opposite and against the left shoulder, slip the right hand to the small of the stock, place the left fore-arm under the cock and extended on the breast, and let fall the right hand by the side.

*Arms—AT WILL.*

ONE TIME AND ONE MOTION.

1633. At this command, carry the piece at pleasure on either shoulder, with one or both hands, the muzzle elevated.

*Shoulder—ARMS.*

ONE TIME AND ONE MOTION.

1634. At this command, retake quickly the position of shoulder arms.

## INSPECTION OF ARMS.

1635.—The recruits being at ordered arms, and having the bayonet in the scabbard, if the instructor wishes to cause an inspection of arms, he will command :

*Inspection—ARMS.*

## ONE TIME AND TWO MOTIONS.

1636. *First motion.*—Face to the right once and a half, on the left heel, carrying the right foot perpendicularly to the rear of the alignment, about six inches from and at right angles with the left foot; seize promptly the piece with the left hand, a little above the middle band; incline the muzzle to the rear without displacing the heel of the butt, the rammer turned towards the body; carry, at the same time, the right hand to the bayonet and seize it, as prescribed in the second motion of fix bayonet; draw the bayonet from the scabbard, carry and fix it on the muzzle.

*Second motion.*—Seize next the rammer, and draw it as has been explained in *loading*, and let it glide to the bottom of the bore; face promptly to the front, seize the piece with the right hand, and retake the position of ordered arms.

1637. The inspector inspects, in succession, the piece of each man in passing along the front of the rank. Each, as the inspector reaches him, raises smartly his piece with his right hand, seizes it with the left, between the tail band and the lock plate, the lock to the front, the left hand at the height of the chin, the piece opposite to the left eye; the inspector takes it with his right hand at the handle, and, after inspecting it, returns it to the man, who receives it back with the right hand, and replaces it in the position of ordered arms. When the inspector shall have passed him, each man will retake the position prescribed at the command inspection of arms, return the rammer and resume the position of ordered arms.

1638. If, instead of inspection of arms, the instructor shall merely wish to cause bayonets to be fixed, he will command :

*Fix—BAYONET.*

1639. Take the position indicated in that motion of inspection of arms, No. 1636, fix bayonets as has been explained, and immediately resume the position of ordered arms.

1640. If it be the wish of the instructor, after firing, to ascertain if the pieces have been discharged, he will command:

*Spring --- RAMMERS.*

1641. Put the rammer in the barrel, as has been explained above, and immediately retake the position of ordered arms.

1642. The instructor, for the purpose stated, can take the rammer by the small end, and spring it in the barrel, or cause each recruit to make it ring in the barrel.

1643. Each recruit, after the instructor passes him, will return rammer, and resume the position of ordered arms.

TO LOAD IN FOUR TIMES.

1644. The object of this lesson is to prepare the recruits to load at will, and to cause them to distinguish the times which require the greatest regularity and attention, such as charge cartridge, ram cartridge and prime. It will be divided as follows:

1645. The first time will be executed at the end of the command; the three others at the commands, *two*, *three* and *four*. The instructor will command:

1. *Load in four times.*      2. *LOAD.\**

ONE. Execute the times to include charge cartridge; Two. Execute the times to include ram cartridge; THREE. Execute the times to include prime; FOUR. Execute the time of shoulder arms.

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\* If the *priming attachment* is used, the command will be *load in three times*, and will be executed as above provided, except that at the command *three*, the time of shoulder arms will be executed from the position of return rammer, and the fourth command will be omitted.

## TO LOAD AT WILL.

1646. The instructor will next teach loading at will, which will be executed as loading in four times, but continued, and without resting on either of the times. He will command :

1. *Load at will.*      2. *Load.*

1647. The instructor will habituate the recruits, by degrees, to load with the greatest possible promptitude, each without regulating himself by his neighbor, and above all without waiting for him.

## MANUAL OF SWORD OR SABRE FOR OFFICERS.

## POSITION OF THE SWORD OR SABRE, UNDER ARMS.

*The carry.*

1648. The gripe is in the right hand, which will be supported against the right hip, the back of the blade against the shoulder.

## TO SALUTE WITH THE SWORD OR SABRE.

*Three times (or pauses).*

1649. *One.* At the distance of six paces from the person to be saluted, raise the sword or sabre perpendicularly, the point up, the flat of the blade opposite to the right eye, the guard at the height of the shoulder, the elbow supported on the body.

*Two.* Drop the point of the sword or sabre by extending the arm, so that the right hand may be brought to the side of the right thigh, and remain in that position until the person to whom the salute is rendered shall be passed, or shall have passed, six paces.

*Three.* Raise the sword or sabre smartly, and place the back of the blade against the right shoulder.

## COLOR SALUTE.

1650. In the ranks, the color bearer, whether at a halt or in march, will always carry the heel of the color-lance supported at the right hip, the right hand generally placed on the lance at the height of the shoulder, to hold it steady. When the color has to render honors, the color-bearer will salute as follows :

At the distance of six paces slip the right hand along the lance to the height of the eye; lower the lance by straightening the arm to its full extent, the heel of the lance remaining at the hip, and bring back the lance to the habitual position when the person saluted shall be passed, or shall have passed, six paces.

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